

Eastern Arizona Amateur Radio Society

EST. 1974

www.eaars.com

INC.



facebook.com/groups/eaars

Club Address: EAARS, PO Box 398, Solomon, AZ 85551



February, 2020

JOIN EAARS on Facebook

EAARS has a presence on Facebook and you are invited to **JOIN** the page. This is a great media to quickly share news, photos and events that are EAARS related or might be interesting to the members. If you utilize "Notifications" on the EAARS Facebook page, you can receive club updates AS THEY HAPPEN.

To reach the page, please visit **facebook.com/groups/eaars** and **JOIN** the page. You must have a Facebook account to be part of the EAARS group.



EAARS Open Repeaters

PL 141.3 unless noted otherwise

Echolink: 614350 **IRLP:** 7787

Heliograph Peak at Safford, AZ:

146.860, 440.700 Linked

146.900, 447.8250 Not Linked

Jacks Peak at Silver City, NM:

145.210 Linked

West Peak at Ft Thomas, AZ:

145.350 Access to link to network

Pinal Peak at Globe, AZ:

145.410 Linked

South Mt at Alpine, AZ:

145.270 Linked

Caballo Mt at TorC, NM:

145.470 Linked

Greens Peak at Show Low, AZ

146.700 Linked

Little Florida at Deming, NM:

147.060 Linked

Mule Mt at Bisbee, AZ:

147.080 Linked

Mt Lemmon at Tucson, AZ

147.160 Linked

Guthrie Peak at Clifton, AZ:

147.280 Linked

Gals on the Air!

EST. June 2015

Calling all Gals of any class ... Join us every Monday night for the
Gals Night Net @ 7:30 pm (AZ) on the EAARS system!

Upcoming Events

*Would You like to see your event posted for the membership to see?
Email your information to emberfire@cox.net.*

Saturday - March 21 A Mtn Climb to Conquer Cancer - Angie, N7EMB
Saturday - May 2 March for Babies - Angie, N7EMB
Sunday - October Making Strides Breast Cancer - Angie, N7EMB
Saturday - Nov 7 Tucson Walk to end Alzheimer - Angie, N7EMB

Did you know that you can see the Public Service Opportunities on soazhamservice.net? The events are posted by dates and who leads them. If you are interested in participating or have any questions, please feel free to contact them.

WEEKLY EAARS' NETS

Every day:

Down Under Net - 4:15 am

Weather Net - 5:30 am

NTS Traffic Net - 6:30 pm

Sunday:

EAARS Net - 7:00 pm

Monday:

Gals Night Net - 7:30 pm

Wednesday:

*Skywarn Net - During Monsoon, Every Wednesday at 7:30 pm,
Off Season, every third Wednesday of month at 7:30 pm*

Saturday:

*ERC (Emergency Response Communications) Net - 7:45 am ,
2nd Saturday of the month (20-25 min duration)*

EAARS Officers and Staff

Board Officers

President	Dave Wells	N7AM
Vice President	Dan Quaintance	AF7EF
Secretary/Treasurer	Larry Griggs	N5BG

Staff

Site Trustee	Joe Montierth	K7JEM
Net Manager	Chris Buchanan	N7JND
Newsletter Editor	Angie Buchanan	N7EMB

Net Control Operators

Rick W8YBM	1st Sunday
Angie N7EMB	2nd-4th Sunday
Chris N7JND	3rd-5th Sunday

ARRL RADIO CONTESTS

February 2020

Feb 10-14 School Club Roundup

Feb 15-16 International DX - CW

I appreciate all articles that are submitted. I ask that they be submitted at least 5 days before the month ends. If you miss the cut-off, reach out to me to see if it can be included.

Thank you very much!

New EAARS Members!

VK4FDGM Daryl
KB9JTN Scott
WA7VVV Jim
WA7ZXB Nancy
KJ7LYU Patrick



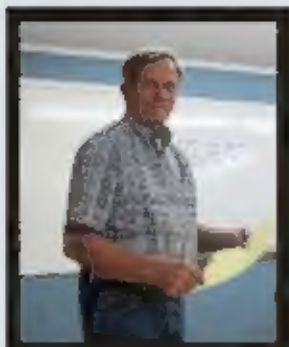
CONGRATULATIONS!

The winner of the HRO Gift Certificate for the Membership Drive was....
John Mills III KJ7KJU
from Benson!
Congrats! Whoop! Whoop!

Your 2020 EAARS Officers and Staff



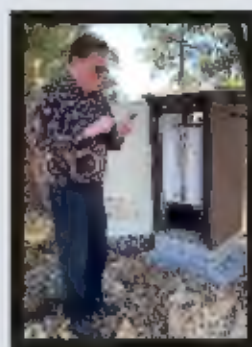
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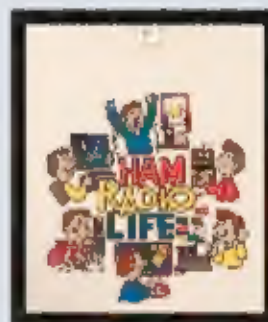


Site Trustee
Joe Montieth
K7JEM



Net Manager
Chris Buchanan N7JND

Newsletter Editor
Angie Buchanan N7EMB



Congratulations to EAARS 2020 Elected Officers & Appointed Staff

The yearly election of our EAARS officers took place during the January EAARS meeting. The meeting was held at the China Taste Restaurant in Safford. It was reported around 28 members and spouses gathered for the meeting and dinner.

We would like to congratulate the following EAARS officers & staff...

President: Dave Wells - N7AM
Vice President: Dan Quaintance - AF7EF
Secretary & Treasurer: Larry Griggs - N5BG
Club Station K7EAR Trustee: Joe Montieth - K7JEM
EAARS Newsletter Editor: Angie Buchanan - N7EMB
EAARS Net Manager: Chris Buchanan - N7JND

The above officers & staff are a mixture of both elected & assigned positions. Everyone involved above, deserves a huge congratulations for doing what they do. You ALL are appreciated.

PIRATE Act Signed Into Law By President

QRZ - 1/25/2020

On Friday, January 24, 2020, the President signed into law:

H.R. 583, the "Preventing Illegal Radio Abuse Through Enforcement Act" or the "PIRATE Act," which authorizes enhanced penalties for pirate radio broadcasters and requires the Federal Communications Commission to increase enforcement activities; and

H.R. 2476, the "Securing American Nonprofit Organizations Against Terrorism Act of 2019," which authorizes within the Department of Homeland Security a Nonprofit Security Grant Program to make grants to eligible nonprofit organizations for target hardening and other security enhancements to protect against terrorist attacks.



NOAA Weather Radio

NOAA Weather Radio All Hazards (NWR) is a nationwide network of radio stations broadcasting continuous weather information directly from the nearest National Weather Service office. NWR broadcasts official Weather Service warnings, watches, forecasts and other hazard information 24 hours a day, 7 days a week.

Working with the Federal Communication Commission's (FCC) Emergency Alert System, NWR is an "All Hazards" radio network, making it your single source for comprehensive weather and emergency information. In conjunction with Federal, State, and Local Emergency Managers and other public officials, NWR also broadcasts warning and post-event information for all types of hazards – including natural (such as earthquakes or avalanches), environmental (such as chemical releases or oil spills), and public safety (such as AMBER alerts or 911 Telephone outages).

Known as the "Voice of NOAA's National Weather Service," NWR is provided as a public service by the National Oceanic and Atmospheric Administration (NOAA), part of the Department of Commerce. NWR includes more than 1000 transmitters, covering all 50 states, adjacent coastal waters, Puerto Rico, the U.S. Virgin Islands, and the U.S. Pacific Territories. NWR requires a special radio receiver or scanner capable of picking up the signal. Broadcasts are found in the VHF public service band at these seven frequencies (MHz):

162.400 ... 162.425 ... 162.450 ... 162.475 ... 162.500 ... 162.525 ... 162.550

Puerto Rico Earthquake Relief Effort Continues, with Help from Ham Radio

ARRL - 01/15/2020

In Puerto Rico, Amateur Radio Emergency Service (ARES) volunteers continue to operate from the American Red Cross distribution center in Yauco — one of the towns hit the hardest by the recent earthquakes and ongoing aftershocks on the island. The Red Cross requested assistance last week to identify undeclared refugee camps and to report on close or damaged roadways and bridges. ARES District 5 Emergency Coordinator Herb Perez, WP4ZZ, who is among those volunteering for the Red Cross at Yauco, reported on January 14 that he, Melvin Velazquez, WP4RAP, and Yolanda Garcia, WP4QZF, are on duty there.

"Today, we were able to occupy our space with no major incident other than the usual shaking of the entire structure. More than 10 per hour," Perez said. "One of our members Jared Martinez, KP4LCO, was able to search near his hometown of Lajas and was able to locate more than 10 unidentified campsites around the area." Perez said such reports enable the Red Cross to provide necessary assistance to those left homeless as a result of the earthquakes.

Perez said volunteers were able to collect food for isolated communities in the mountain region from a church-run food pantry in Sabana Grande. He said local members of the GMRS and Citizens Band radio communities have been pitching in.

Operations from Yauco have been on VHF and UHF, although commercial telecommunication services remain in operation for the most part. Another station has been established at the Red Cross Headquarters in the capital of San Juan, which is not in the earthquake zone. Puerto Rico Section Manager Oscar Resto, KP4RF, said the stations are operating as a backbone, in the event of new or stronger earthquakes. HF equipment has been safely stowed if communications fail, Resto said. Most of Puerto Rico now has power and water.

ARRL is shipping six VHF/UHF base/repeater antennas and six 50-foot rolls of LMR-400 coax, through the Ham Aid Fund. Resto said a new Red Cross warehouse will be place in Mayagüez, where he will install a third station for backbone communication. "That is the reason for the new antennas," he said. "We already have the radios. In case we need to escalate to HF, we are ready with ARRL go-kits from Hurricane Maria."

The ARES team in Yauco has also been handling health-and-welfare traffic from the earthquake zone. Operations are running from 9 AM until 5 PM each day.

A magnitude 6.4 earthquake struck the southwestern part of Puerto Rico on January 7, fast on the heels of a magnitude 5.8 tremor the day before. The worst-impacted cities were Guayanilla, Peñuelas, Yauco, and Guánica, where most homes are no longer habitable.

EAARS WINTER FIELD DAY

By Chris N7JND
Photos courtesy of Gary W7MIN

The EAARS Winter Field Day was held at the Home QTH of Dave - N7AM. Dave made his property available to all who wanted to come out and participate in the Winter Field Day activities. Like the normal Field Day in June, the rules of the contest are pretty much the same. Although not technically a contest, but rather a Emergency Preparedness exercise, many treat it as a contest because you are seeing how many contacts can be made within a 24 hour period and those numbers are reported. So, whether you view it as a contest or an exercise, we all view it as a fun time.

Setting up and operating out in a field somewhere on power other than the grid, prepares us for the day where we loose the grid, but still need to communicate. Many of us utilize batteries to power our stations either being charged by solar or generator. Many of us use generators to power our stations. Any method is acceptable but remaining off the grid. There are some who utilize the grid just to participate and hand out points. This can be fun also if you are learning about Field Day or unable to get out.

Having a portable HF station that can be deployed to a field, park or just out someplace, also gets HOA restricted Hams a chance to operate anytime they want. Can't have an HF setup in your house, then take it out to a place where you can quickly set up and have fun operating. What fun this can be on a Sunday morning or afternoon. Don't let the HOA stop you. Take it out to a park and participate in contests or just operate in the field. Like Field Day, this also gets you prepared if we were to lose the grid.



WN7BSA Winter Field Day

WN7BSA was once again on-the-air for the Winter Field Day. Members of the Radio Society of Tucson and the Catalina Radio Club operated from Camp Lawton on Mount Bigelow. We were hosted by the youngsters of Scout Troop 157 which is chartered by Immanuel Presbyterian on the east side of Tucson. Did we meet the outdoor category requirements? You betcha! We were really outdoors surrounded by snow and ice and a bunch of sleigh-riding scouts.

Here is a comment from one of the operators, Bryce KROCKT, "Nicole (KE7EBU) and I had a blast this past weekend up on Mt. Lemmon with Troop 157 at Camp Lawton. It was my wife and I's first time to the camp, and man do Scouts nowadays have it easy! The luxurious heated cabins with flush toilets, showers, drinking water, and even a microwave. Together with Troop 157 keeping us fed and entertained, we had a lot of fun. Suffice it to say, you all missed out!

Using a small dipole strung in the trees we made over 50 20-meter phone contacts as well as a few on 2-meter FM. We loved having Garrett, KJ7DXH, join us and he quickly got the hang of getting on the radio and making contests. He seemed to have more fun than all of us! I can't wait to join Troop 157 back up the mountain next year!"

Bryce failed to mention that the Scouts were entertained at night with a movie. On Friday night we showed Walt Disney's "Shaggy Dog" and on Saturday "Swiss Family Robinson". Garrett, KJ7DXH, is now an enthused "radio Sport" advocate, this being his first contest and his first real HF operation. Garrett is working on getting a permanent antenna system at his QTH and he now has his own indoor radio room. Oh, and Garrett is a Life Scout planning his Eagle Project.

BTW, this was a Troop 157 Family Campout with scouts, parents, and younger siblings.



By Joe K3TYE

Other Club Stuff

RST holds FREE VE testing on the following dates, 7:00 pm at Hardesty Mid- Town Police Building, 1100 S Alvernon, Tucson.

February 10	July 13
March 9	August 10
April 13	September 14
May 11	October 12
June 8	November 9
	December 14



RST

Radio
Society of Tucson
www.rstclub.org

FREE Ham Radio Class this Feb. For TECHNICIAN HAM RADIO LICENSE

Join the FUN and TALK to the WORLD

6 Weekly Classes begin Sun., Feb. 2nd, 2020

6:00 PM at Tucson Hardesty Police Station,

1100 S. Alvernon Way, Tucson

email Ken at kg7khy@gmail.com for

full info or to sign up for the class

Textbooks cost about \$25 each, available on Amazon

The Kachina ARC will be conducting a Technician License review session on the last weekend in January 2020. The first half of the review will be held on Saturday, January 25, 2020 from 8am to noon. The second half will be on Sunday, January 26, 2020 from noon to 5pm. The review sessions will be conducted at the Solterra Senior Center, 5408 Hwy. 260 (White Mountain Blvd), Lakeside, AZ.

The Laurel VE Team, WM-VET, will be conducting license testing the following weekend on Saturday, 1 Feb 2020, at 9:00 AM at that same location. Walk-ins are welcomed, however, pre-registration is preferred. You can email the team at VEtesting@cablone.net to pre-register. Please include your name (the exact name used to create your FRN, if you have an FRN), license call (if you have one), and which license exam you wish to take. An acknowledgement will be emailed back to you.

At the test session, the following will be required: A government issued photo ID, your FCC Registration Number (FRN) if you have one OR your social security number, the original and a copy of any passed exam element credit (CSCE), and a copy of your current license if upgrading. The test session begins at 9:00 AM.

**Do you have any club news to share?
It can be posted on this page.
Send your info to Angie - emberfire@cox.net.**

Cooking up
Some Magic



Perfect Crab-Stuffed Mushrooms

Prep: 20 min
Cook: 20 min
Ready: In 40 m

**A Great
Valentine
Appetizer**



Courtesy of
Allrecipes

Ingredients

2 tablespoons butter
2 tablespoons minced green onion
1 cup cooked crabmeat, finely chopped
1/2 cup dry bread crumbs
1/4 cup shredded Monterey Jack cheese
1 egg, beaten
1 teaspoon lemon juice
1/2 teaspoon dried dill weed
1/2 cup butter, melted
1 1/2 pounds fresh button mushrooms, stems removed
1/2 cup shredded Monterey Jack cheese
1/4 cup dry white wine

Directions

1. Preheat oven to 400 degrees F (200 degrees C).
2. Melt 2 tablespoons butter in a skillet; cook and stir green onion until softened, about 2 minutes. Transfer green onion to a bowl. Stir in crabmeat, bread crumbs, 1/4 cup Monterey Jack cheese, egg, lemon juice, and dill weed until well mixed.
3. Pour 1/2 cup melted butter in a 9x13-inch baking dish; turn mushroom caps in butter to coat. Fill mushroom caps with the crab mixture and sprinkle with remaining 1/2 cup Monterey Jack cheese. Pour white wine into baking dish.
4. Bake in preheated oven until cheese is melted and lightly brown, 15 to 20 minutes.

kiss the
cook